

ABSTRACT

A haptic feedback controller 100 ~~according to the present invention is a haptic feedback controller~~ that controls a controlled appliance and includes a base 110, a cap 120, a piezoelectric motor 130, a rotation control device, and a rotational state detecting device.

~~According to haptic feedback controller 100 of the present invention, the piezoelectric motor 130 that can produce a large torque even when rotating at low speed is used, so that even when the cap 120 is rotated at low speed, sufficiently large haptic feedback can be applied to the cap 120. Also, since the base 110 and the cap 120 are respectively fixed to the stator 140 and the rotor 150 of the piezoelectric motor 130, there is no backlash. As a result, according to the present invention it is possible to provide a haptic feedback controller for which there is no loss in the ability to express haptic feedback, so that a wide variety of haptic feedback can be expressed.~~